-continued

(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 393 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) HYPOTHETICAL: NO

(iv) ANTI-SENSE: NO

(v) FRAGMENT TYPE: N-terminal

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:

ATGAACTTTC CTTCTACAAA GGTTCCCTGG GCCGCCGTGA CGCTGCTGCT GCTGC60

CTGCCGCCGG CGCTGCTGTC GCTTGGGGTG GACGCACAGC CTCTGCCCGA CTGC120

CAGAAGACGT GTTCCTGCCG TCTCTACGAA CTGTTGCACG GAGCTGGCAA CCAC180

GGTATCCTGA CTCTGGGAAA GCGGCGGCCT GGACCTCCAG GCCTCCAGGG ACGG240

CGCCTCCTTC AGGCCAACGG TAACCACGCA GCTGGCATCC TGACCATGGG CCGC300

GGCGCAGAGC TAGAGCCACA TCCCTGCTCT GGTCGCGGCT GTCCGACCGT AACT360

GCTTTAGCAC CCCGGGGAGG GTCCGGAGTC TGA 393

We claim:

1. An isolated polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding the polypeptide comprising the amino acid sequence of SEQ ID NO: 1;

(b) a polynucleotide encoding the polypeptide comprising the amino acid sequence of SEQ ID NO: 2;

(c) a polynucleotide capable of hybridizing to and which is at least 95% homologous to the polynucleotide of (a) or (b).

2. The polynucleotide of claim 1 comprising the sequence of the group consisting of the second line of **FIG. 5** and SEQ ID NO: 3.

3. The polynucleotide of claim 1 comprising the sequence of the group consisting of the third line of **FIG. 5** and SEQ ID NO: 4.

4. An isolated polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding a polypeptide comprising the sequence of SEQ ID NO: 6;

(b) a polynucleotide encoding a polypeptide comprising amino acids 28 to 130 of SEQ ID NO: 2;

(c) a polynucleotide capable of hybridizing to the polynucleotide of (a);

(d) a polynucleotide capable of hybridizing to the polynucleotide of (b);

(e) a polynucleotide that is at least 95% homologous to the polynucleotide of (a); and

(f) a polynucleotide that is at least 95% homologous to the polynucleotide of (b).

5. An isolated polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding a polypeptide comprising the sequence of SEQ ID NO: 7;

(b) a polynucleotide encoding a polypeptide comprising the sequence of SEQ ID NO: 8;

(c) a polynucleotide encoding a polypeptide comprising amino acids 42 to 66 of SEQ ID NO: 1;

(d) a polynucleotide encoding a polypeptide comprising amino acids 42 to 65 of SEQ ID NO: 1;

(e) a polynucleotide encoding a polypeptide comprising amino acids 43 to 66 of SEQ ID NO: 1;

(f) a polynucleotide encoding a polypeptide comprising amino acids 43 to 65 of SEQ ID NO: 1; and

(g) a polynucleotide capable of hybridizing to and which is at least 95% homologous to a polynucleotide of (a) through (f).

6. An isolated polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding a polypeptide comprising the sequence of SEQ ID NO: 9;

(b) a polynucleotide encoding a polypeptide comprising the sequence of SEQ ID NO: 10; and

(c) a polynucleotide capable of hybridizing to and which is at least 95% homologous to the polynucleotide of (a) or (b).

7. An isolated polynucleotide selected from the group consisting of:

(a) a polynucleotide encoding a polypeptide comprising amino acids 100 to 130 of SEQ ID NO: 1;